

DDI 3 Q3

Critique the solution to the following situation:

A property inspector gets paid \$275 for each property inspected. If it takes her 7.5 hours on average to inspect a property and she spends 37.5 hours each week inspecting properties, what is her average hourly wage? $\$/h$

$$\$275/\text{property} \quad 7.5h/\text{property} \quad 37.5h/\text{wk}$$

$$\frac{37.5h/\text{wk}}{7.5h/\text{property}} = \frac{5 \text{ properties}}{\text{week}} \quad 5h/w (\$275/p) = \$1375/w$$

$$\frac{\$1375/w}{37.5h/w} = \$36.67/h$$

She makes $\$36.67/h$ approximately inspecting properties.